**Week 8 – Guided Lab: Creating a Highly Available Environment**

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**Task 1: Inspecting your VPC**

**Task 2: Creating an Application Load Balancer**

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Figure 1: Create Target Group

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Figure 2: Create Load Balancer.

**Task 3: Creating an Auto Scaling group**

**Task 3.1: Creating an AMI for Auto Scaling**

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Figure 3: Create an AMI Image from Web Server 1.

**Task 3.2: Creating a launch template and an Auto Scaling group**

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Figure 4: Create Launch Template.

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Figure 5: Create an auto scaling group with 2 instances.

**Task 4: Updating security groups**

**Task 4.1: Configuring the load balancer security group**

**Task 4.2: Configuring the application security group**

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Figure 6: Config Inbound Rule for Inventory App SG

**Task 4.3: Configuring the database security group**

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Figure 7: Config Inventory DB sg inbound rule.

**Task 5: Testing the application**

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Figure 8: Test the application.

**Task 6: Testing high availability**

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Figure 9: Terminate 1 instance.

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Figure 12: Score after submission.

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Figure 13: Submission report.